

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A communication control ~~system-network~~, comprising a ~~directory server which comprises:~~

a mobile phone; and

a directory server remote from said mobile phone, comprising:

a storage unit which stores a ~~replica of directory data of records, each of which includes~~record comprising data of a counter-communication-end-contact; and

a communication control unit, which refers to said ~~the~~ directory data replica to determine whether or not a requested connection of a ~~communication request from said counter-communication-end-contact to a said mobile phone is permitted, in response to a connection confirmation request which is generated in response to said communication request, and which~~ transmits a response indicative of permission or non-permission of the connection of said communication request to said mobile phone.

2. (currently amended): The communication control ~~system-network~~ according to claim 1, wherein said mobile phone comprises:

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a storage unit, which stores ~~said the~~ directory data of records, each of which ~~contains~~ record comprising at least one of a name, a phone number and, or an e-mail address of ~~said counter communication end~~ a contact, such that the directory of records stored in said directory server is a replica of the directory of records stored in said mobile phone;

an operation section, which generates an upload instruction in response to an operation by a user of said mobile phone; and

a transmitting section, which transmits ~~said the~~ directory data of records from said mobile phone to said directory server in response to ~~said the~~ upload instruction, such that ~~said the~~ directory data of records of said mobile phone is stored as a part of said directory data replica in said directory server as a replica directory of records.

3. (currently amended): The communication control ~~system network~~, according to claim 2, wherein:

a group of ~~ones of the records~~ of the directory of said mobile phone includes ~~has~~ an edit flag;

said mobile phone further comprises: an editing section, which edits the group of records ~~of said directory data~~ including the edit flag in response to an operation by the user; and ~~sets~~ said edit flag, and

said transmitting section of said mobile phone transmits the records of the groups ~~with~~ including the set edit flags of said directory data to said directory server in response to ~~said the~~

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upload instruction such that ~~said the group directory data~~ of records with including the set-edit flags is stored as ~~the part of said replica directory data replica of records~~ in said directory server.

4. (currently amended): The communication control ~~system-network~~, according to claim 3, wherein the ~~number of records in each group is one~~ group of records comprises only one record.

5. (currently amended): The communication control ~~system-network~~, according to claim 1, wherein said mobile phone comprises:

a storage unit;

an operation section, which generates a download instruction in response to an operation by a user of said mobile phone;

a transmitting section which transmits said download instruction to said directory server;
and

a receiving section, which receives, as ~~said a duplicate directory data of records~~, a at least part of ~~said the directory data replica of records which are read out~~ is accessed from said storage unit of said directory server in response to ~~said the~~ download instruction;

wherein each of ~~the records contains~~ record comprises at least ~~one of~~ a name, a phone number ~~and, or an~~ e-mail address of said counter communication end a contact.

6. (currently amended): The communication control ~~system-network~~, according to claim 1, wherein:

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~~said communication request~~the requested communication is a phone call, and;

~~each of the records includes said record,~~ stored in the directory of records of said directory server, comprises a phone number of a contact ~~said counter communication end and further includes and~~ a non-permission flag, which is set when said mobile phone a phone call from the corresponding contact should not be connected to said counter communication end and which is reset when said mobile phone a phone call from the corresponding contact should be connected to said counter communication end;

said communication control ~~system network~~ further comprises:

a switching apparatus which ~~generates said connection confirmation request to said directory server in response to said phone call, and connects said a phone call to said mobile phone from a contact when receiving the a permission response is received from said communication control unit, and which discards said a phone call to said mobile phone from a contact when receiving the a non-permission response is received from said communication control unit, and~~

~~wherein said directory server refers to said directory data replica to determine whether said non-permission flag corresponding to said phone number of said counter communication end is set or reset, transmits said permission response to said switching apparatus when said non-permission flag is reset, and transmits said non-permission response to said switching apparatus when said non-permission flag is set.~~

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7. (currently amended): The communication control ~~system-network~~, according to claim 1, wherein:

~~said communication request~~the requested connection is an e-mail, and;

~~each of the records includes said~~ record, stored in the replica directory of records of said directory server, comprises an e-mail address of said counter communication end a contact and ~~further includes a non-permission flag, which is set when said an e-mail from the corresponding contact should not be delivered to said mobile phone, and which is reset when said an e-mail from the corresponding contact should be delivered to said mobile phone~~delivered;

said communication control ~~system-network~~ further comprises:

a mail server which ~~generates said connection confirmation request to said directory server in response to said e-mail, and delivers said an e-mail to said mobile phone~~from a contact when receiving the a permission response is received from said communication control unit, and which discards said an e-mail to said mobile phone from a contact when receiving the a non-permission response is received from said communication control unit, and

~~wherein said directory server refers to said directory data replica to determine whether said non-permission flag corresponding to said e-mail address of said counter communication end is set or reset, transmits said permission response to said mail server when said non-~~

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~~permission flag is reset, and transmits said non-permission response to said mail server when said non-permission flag is set.~~

8. (currently amended): A mobile phone ~~comprises,~~ comprising:

a storage unit, which stores a directory data of records, each of which ~~contains~~ record comprising at least ~~one of~~ a name, a phone number and, or an e-mail address of a ~~counter communication end~~ contact;

an operation section, which generates an upload instruction in response to an operation by a user of said mobile phone; and

a transmitting section, which transmits ~~said the directory data of records to an external unit~~ a directory server in a communication control network to be stored therein as a replica directory of records in response to said upload instruction.

9. (currently amended): The mobile phone, according to claim 8, wherein:

a group of ~~ones of the records has~~ the directory stored in said storage unit includes an edit flag;

said mobile phone further comprises: ~~an editing section which edits the group of records of said directory data including the edit flag in response to an operation by the user, and sets said edit flag;~~ and

said transmitting section transmits the records of the groups ~~with including the set-edit flags of said directory data to said directory server in the communication control network in~~

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response to ~~said the~~ upload instruction, such that ~~said directory data~~ the group of records with
including the set-edit flags is stored as the part of said the replica directory data replica of records
in said directory server.

10. (currently amended): The mobile phone according to claim 9, wherein the ~~number~~
~~of records in each group is one~~ group of records comprises only one record.

11. (currently amended): The mobile phone according to claim 8, wherein
said operation section generates a download instruction in response to an operation by a
the user of said mobile phone, and;

said transmitting section transmits ~~said the~~ download instruction to ~~said external unit,~~
~~and~~ and the directory server in the communication control network; and

~~said the~~ mobile phone further comprises: a receiving section, which receives ~~said the~~
replica directory data of records from said external unit said directory server in the
communication control network in response to ~~said the~~ download instruction.

12. (currently amended): A directory managing system, comprising comprises:
a directory server which stores a replica of directory data; and
a mobile phone which comprises, comprising:

a storage unit, which stores ~~said~~ a directory ~~data~~ of records, each ~~of which~~
~~contains record comprising~~ at least ~~one of~~ a name, a phone number ~~and~~, or an e-mail
address of ~~said counter communication end~~ a contact;

an operation section, which generates an upload instruction in response to an
operation by a user of said mobile phone; ~~and~~

a transmitting section; ~~and which transmits said directory data to said directory~~
~~server in response to an upload instruction such that said directory data is stores as part of~~
~~said directory data replica in said directory server.~~

a directory server, which stores a replica directory of records;

wherein said transmitting section transmits the directory of records from said mobile
phone to said directory server, to be stored therein as the replica directory of records, in response
to the upload instruction.

13. (currently amended): The directory managing system according to claim 12,
wherein:

a group of ~~ones of the records has~~ of the directory stored in said storage unit of said
mobile phone includes an edit flag;

said mobile phone further comprises an editing section which edits the group of records
~~of said directory data~~ including the edit flag in response to an operation by the user, ~~as set said~~
~~edit flag~~; and

said transmitting section of said mobile phone transmits the records of the groups ~~with~~
including the set-edit flags of said directory data to said directory server in response to ~~said the~~
upload instruction, such that ~~said directory data~~ the group of records with including said the edit
flag is stored as ~~the part of said the replica~~ directory data replica of records in said directory
server.

14. (currently amended): The directory managing system according to claim 13,
wherein the ~~number of records in each group is one~~ group of records comprises only one record.

15. (currently amended): The directory managing system according to claim 12,
wherein:

said operation section generates a download instruction in response to an operation by a
the user of said mobile phone; and

said transmitting section transmits ~~said the~~ download instruction to said directory server;
and

said mobile phone further comprises: a receiving section, which receives ~~as said directory~~
~~data, a part of said directory data replica of records which are read out from said storage unit of~~
~~said directory server~~ the replica directory of records from said directory server in response to ~~said~~
the download instruction; ~~wherein;~~ and

each of the records ~~contains~~ comprises at least ~~one of~~ a name, a phone number and, or an
e-mail address of ~~said counter communication end~~ a contact.

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16. to 22. (cancelled)

23. (new): A communication control method, comprising:

in response to a communication request from a contact, referring to a directory of records, each record comprising data of a contact, to determine whether or not a connection with the contact is permitted; and

connecting a communication from the contact if the connection is permitted, and discarding the communication from the contact if the connection is not permitted.

24. (new): The communication control method, according to claim 23, wherein each record comprises at least a name, a phone number, or an e-mail address of a contact.

25. (new): The communication control method, according to claim 23, wherein the communication request is a phone call from a contact.

26. (new): The communication control method, according to claim 23, wherein the communication request is an e-mail from a contact.

27. (new): A method of creating a directory of records, comprising:

inputting at least one record into a storage unit in a mobile phone;

transmitting, via an antenna in the mobile phone, the records stored in the storage unit of the mobile phone to a telephone directory server in a communication control network;

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uploading the records to the telephone directory server, thereby creating a replica directory of records.

28. (new): A method of restoring a directory of records in a mobile phone, comprising:

instructing, via a mobile phone, a telephone directory server, in which a directory of records is stored, to restore the directory of records in the mobile phone;

retrieving the directory of records from the telephone directory server;

transmitting the retrieved directory of records to the mobile phone;

uploading the transmitted directory of records to a storage unit in the mobile phone.